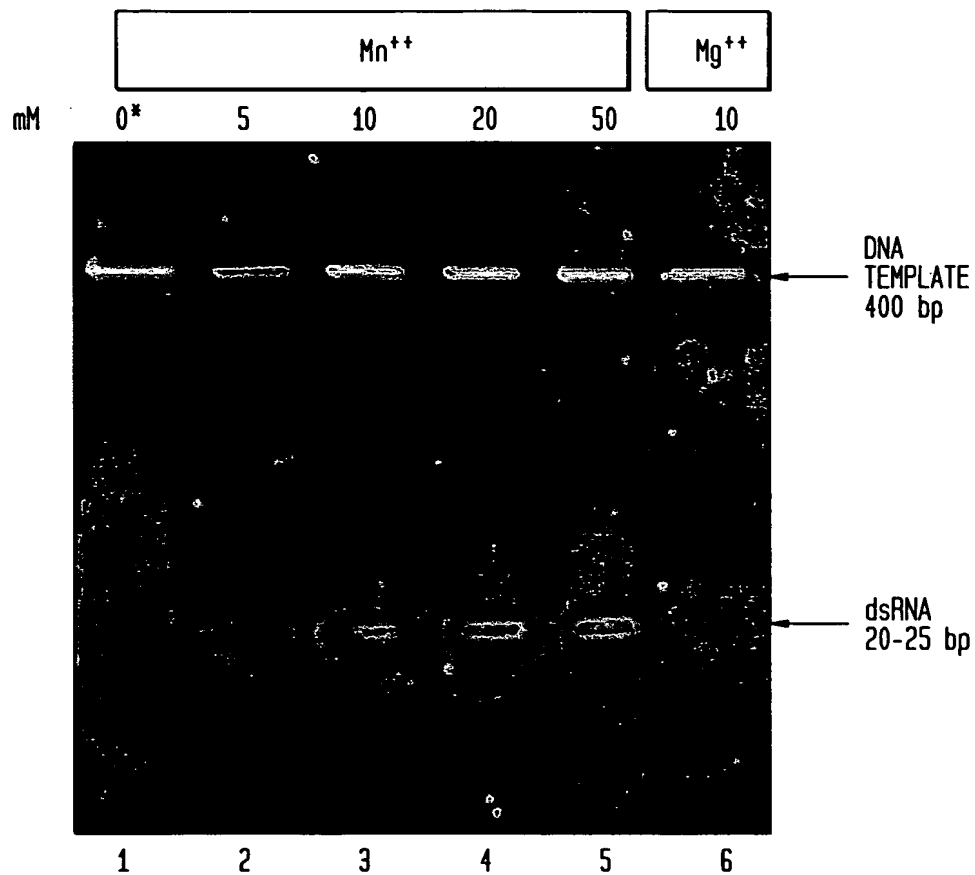


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FIG. 1A

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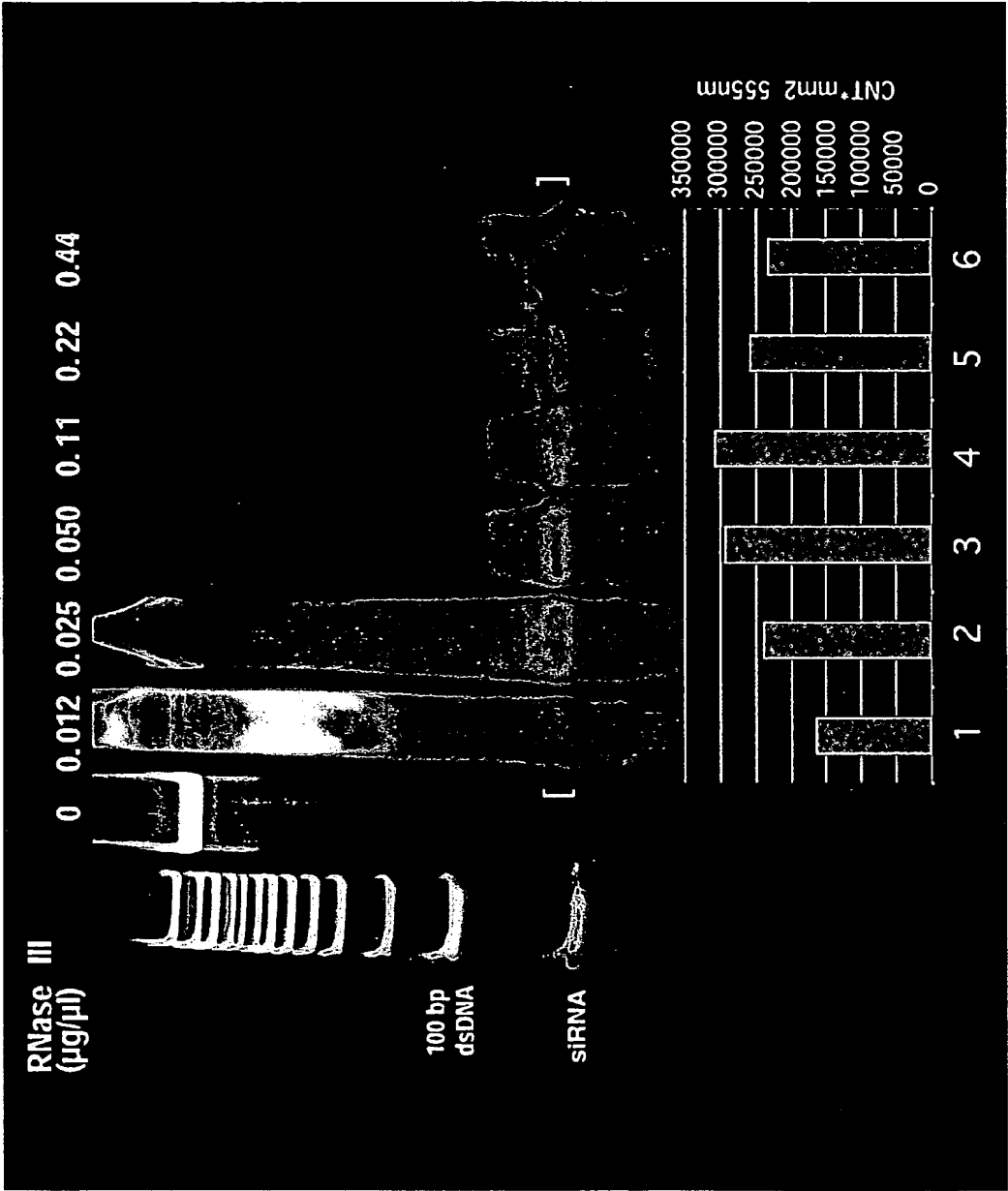
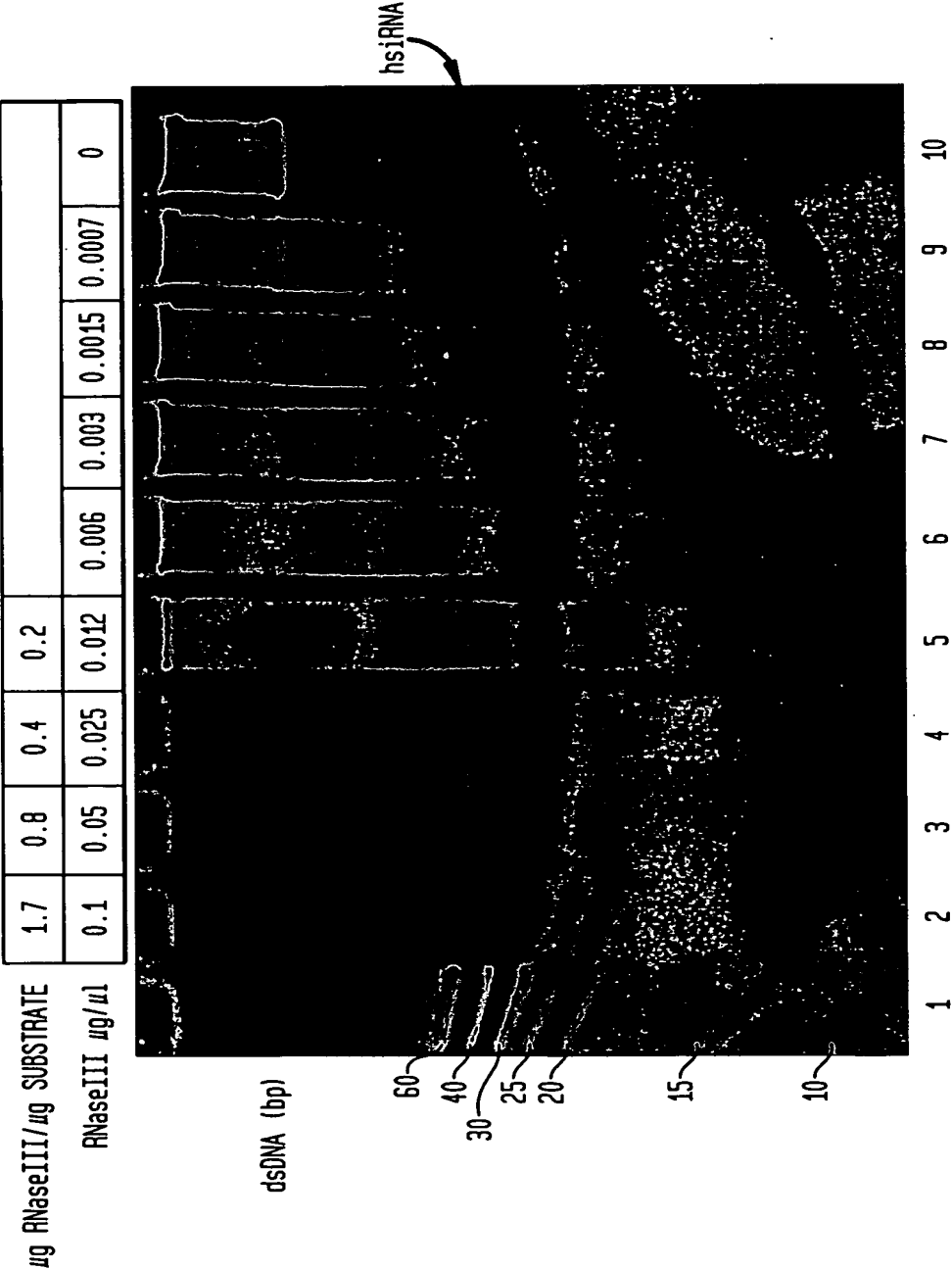


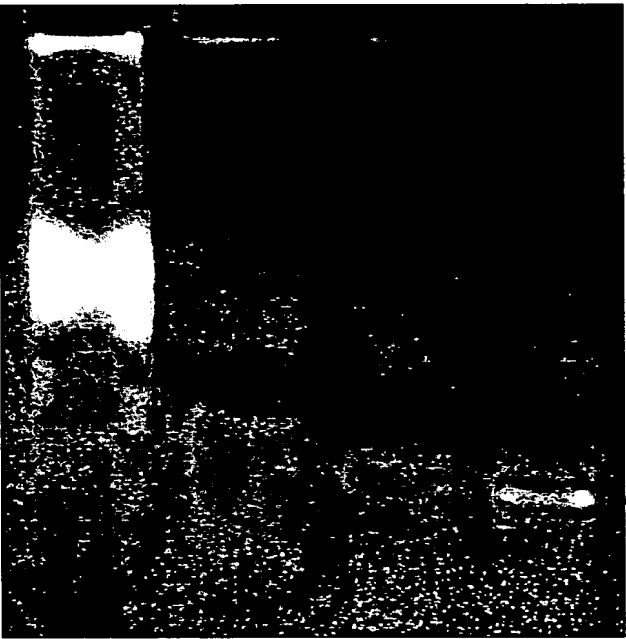
FIG. 1C



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FIG. 1D

$\mu\text{g RNaseIII}/\mu\text{g SUBSTRATE}$	0.2	0.4	0.8	1.7
dsRNA $\mu\text{g}/\mu\text{l}$.47	.24	.12	.06



1

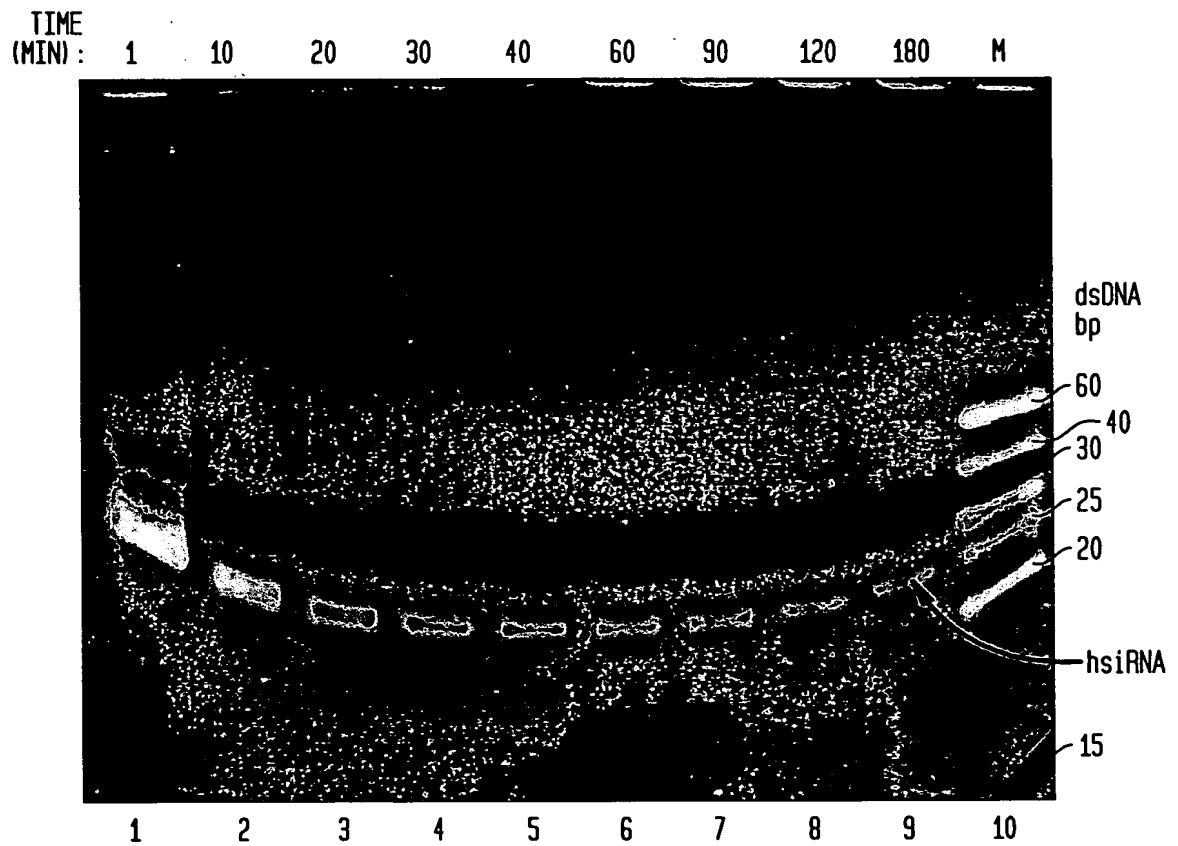
2

3

4

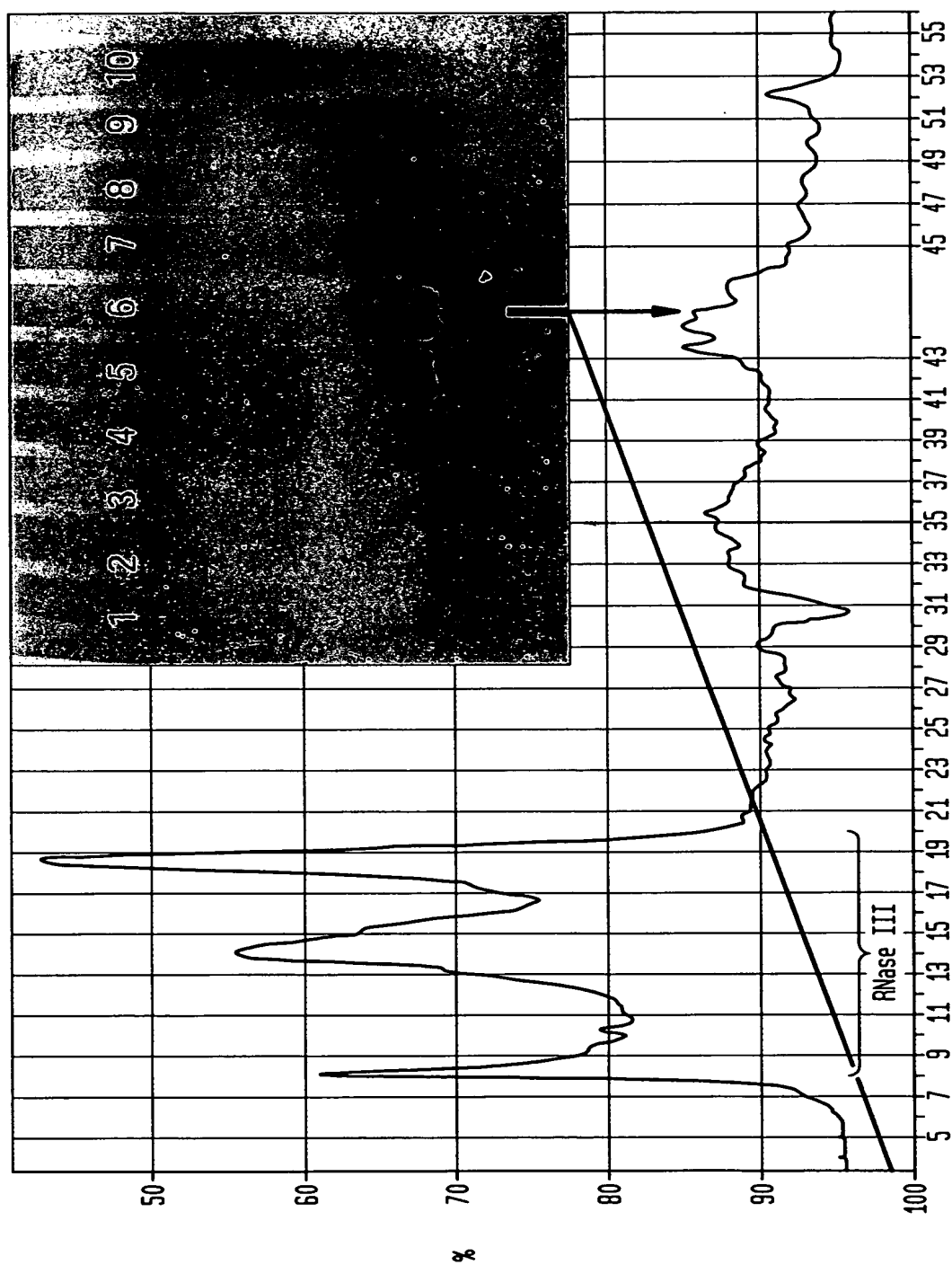
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FIG. 1E



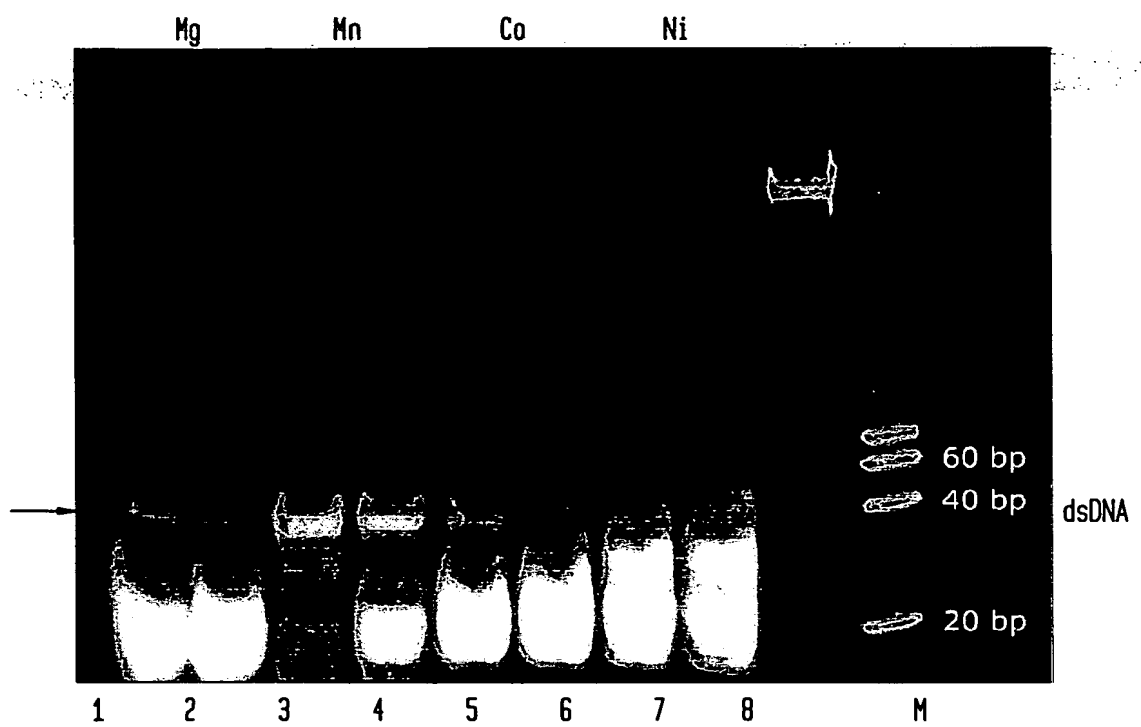
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FIG. 1F



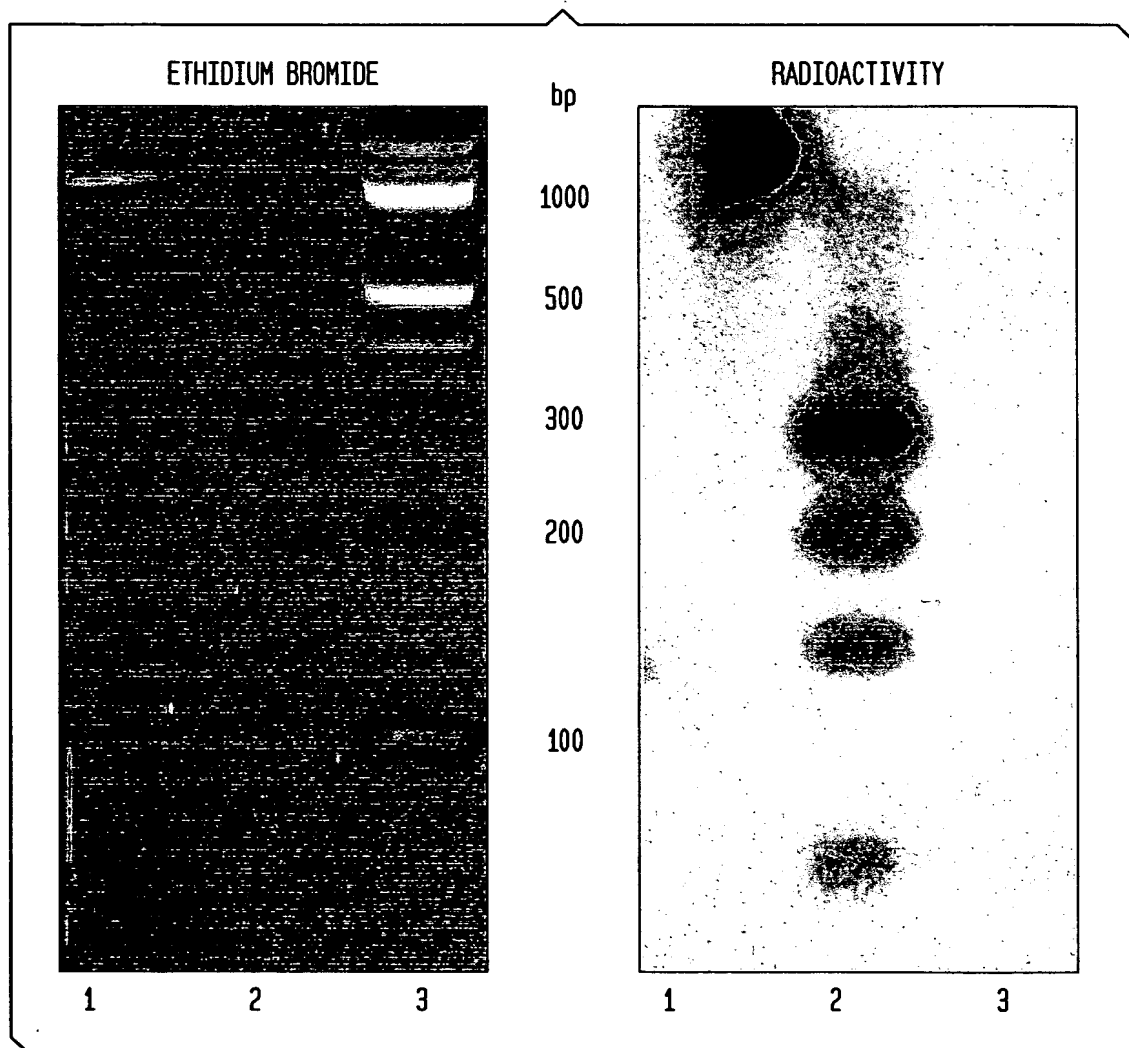
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FIG. 2



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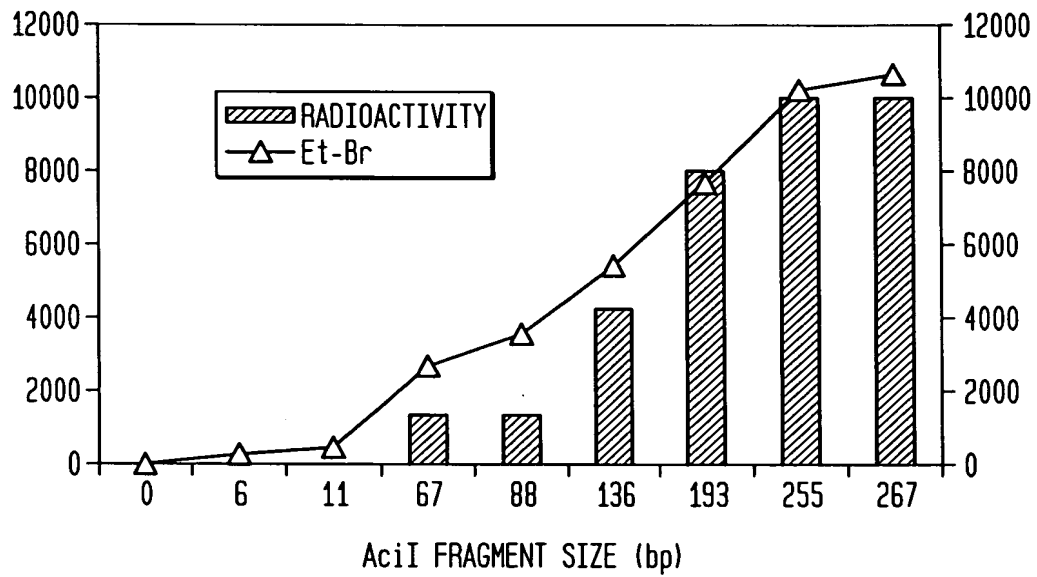
FIG. 3A



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FIG. 3B

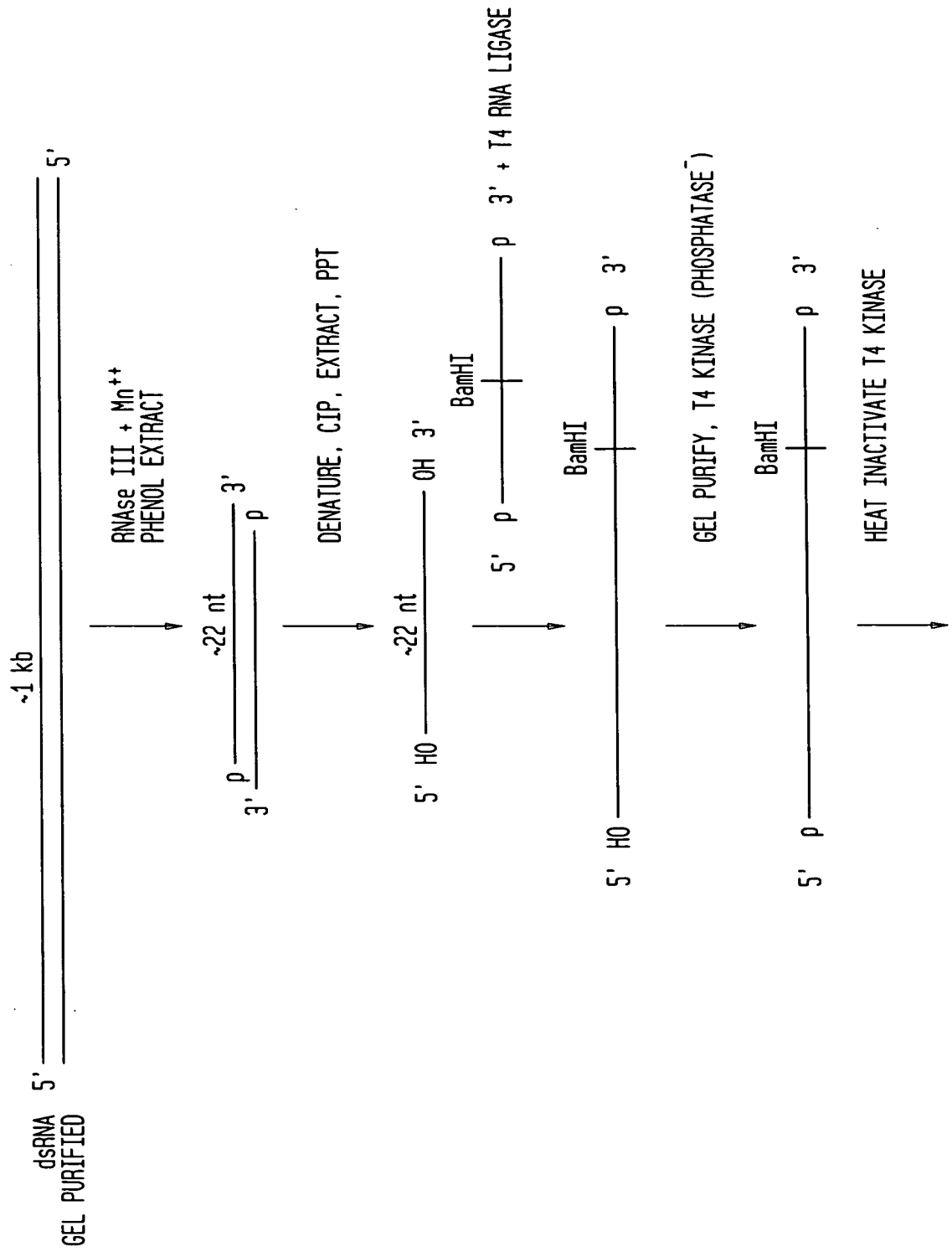
ETHIDIUM BROMIDE AND RADIOACTIVITY INTENSITY



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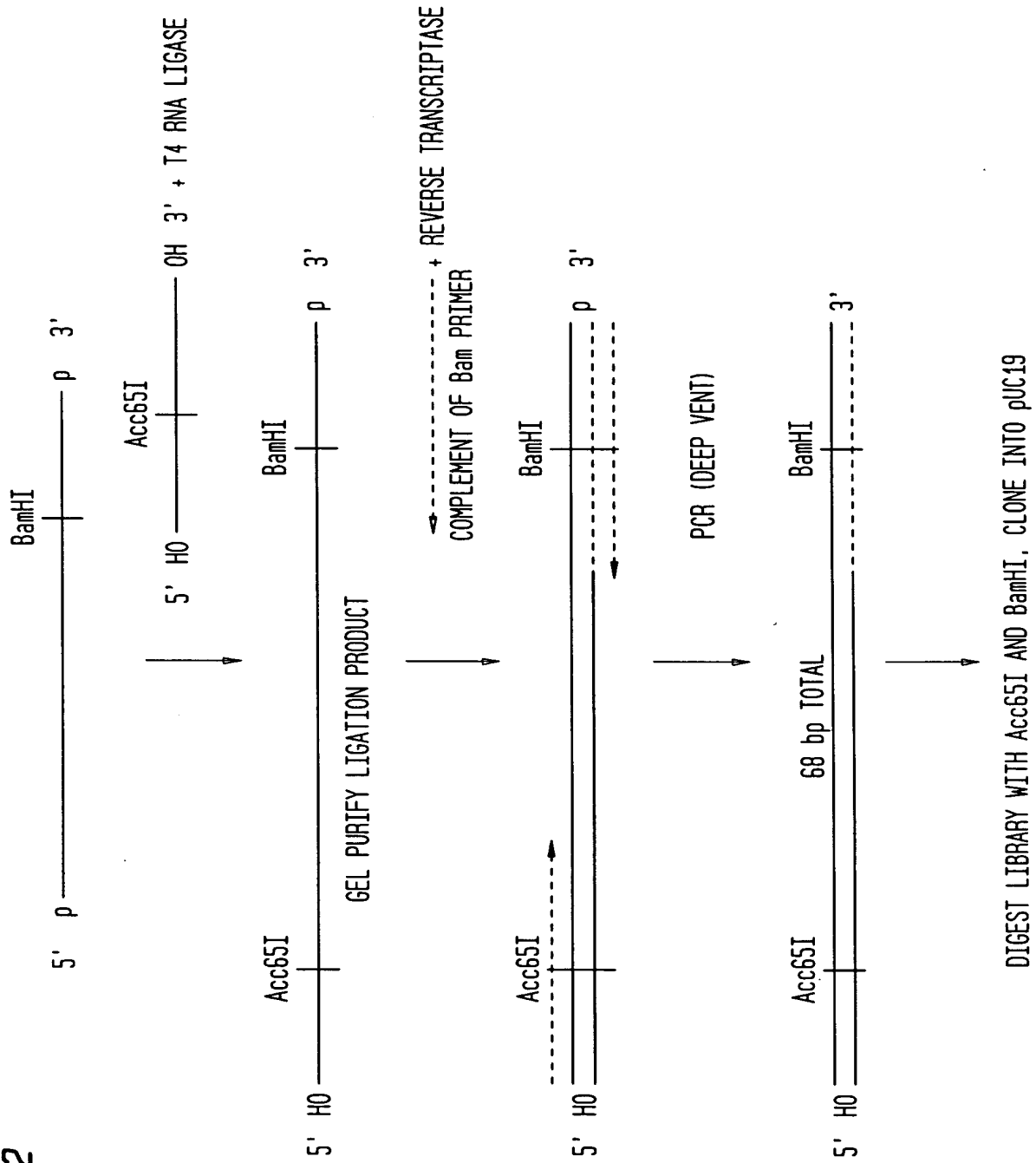
FIG. 4A-1

CLOING OF RNase III DIGESTION PRODUCTS

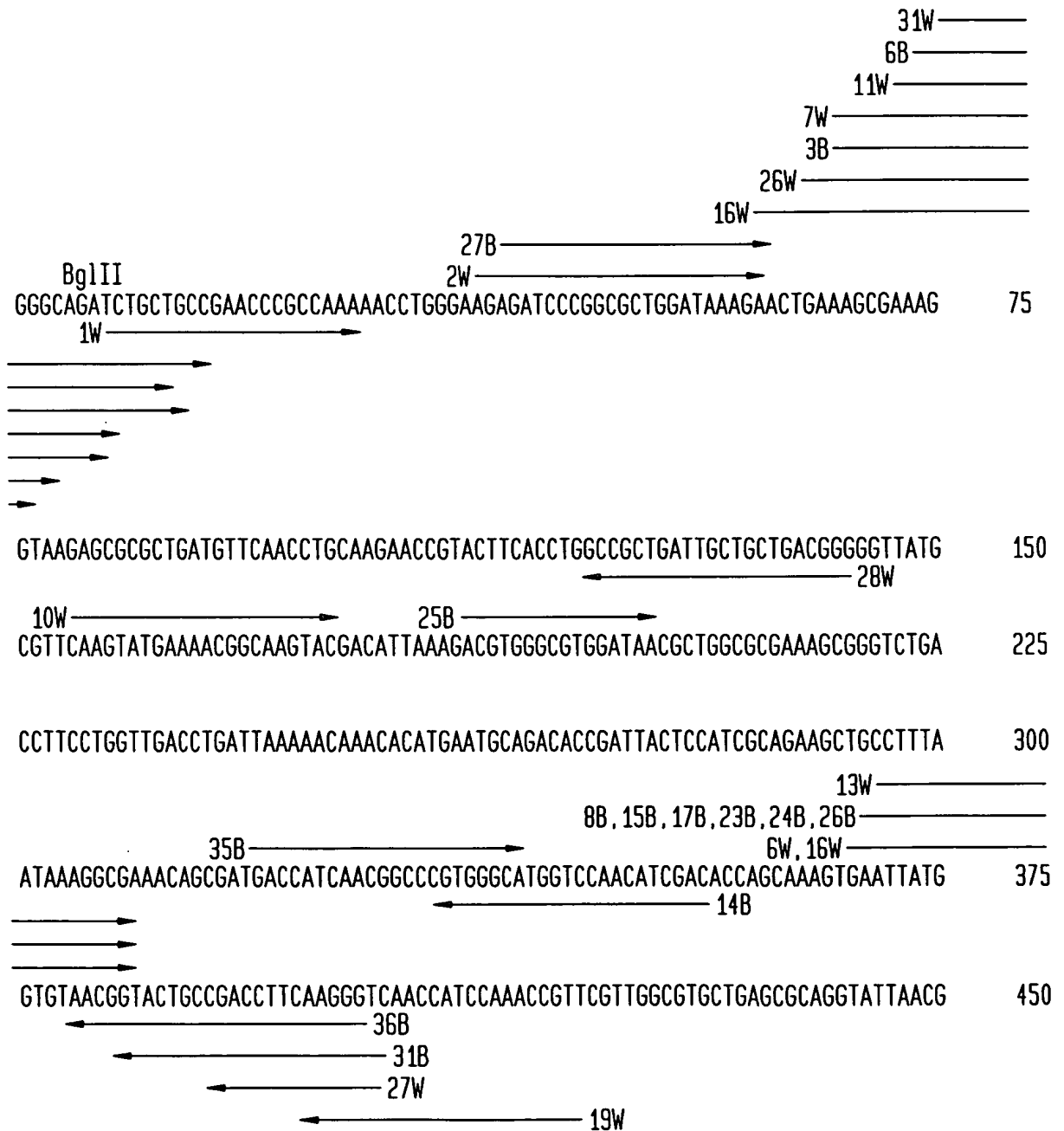


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FIG. 4A-2

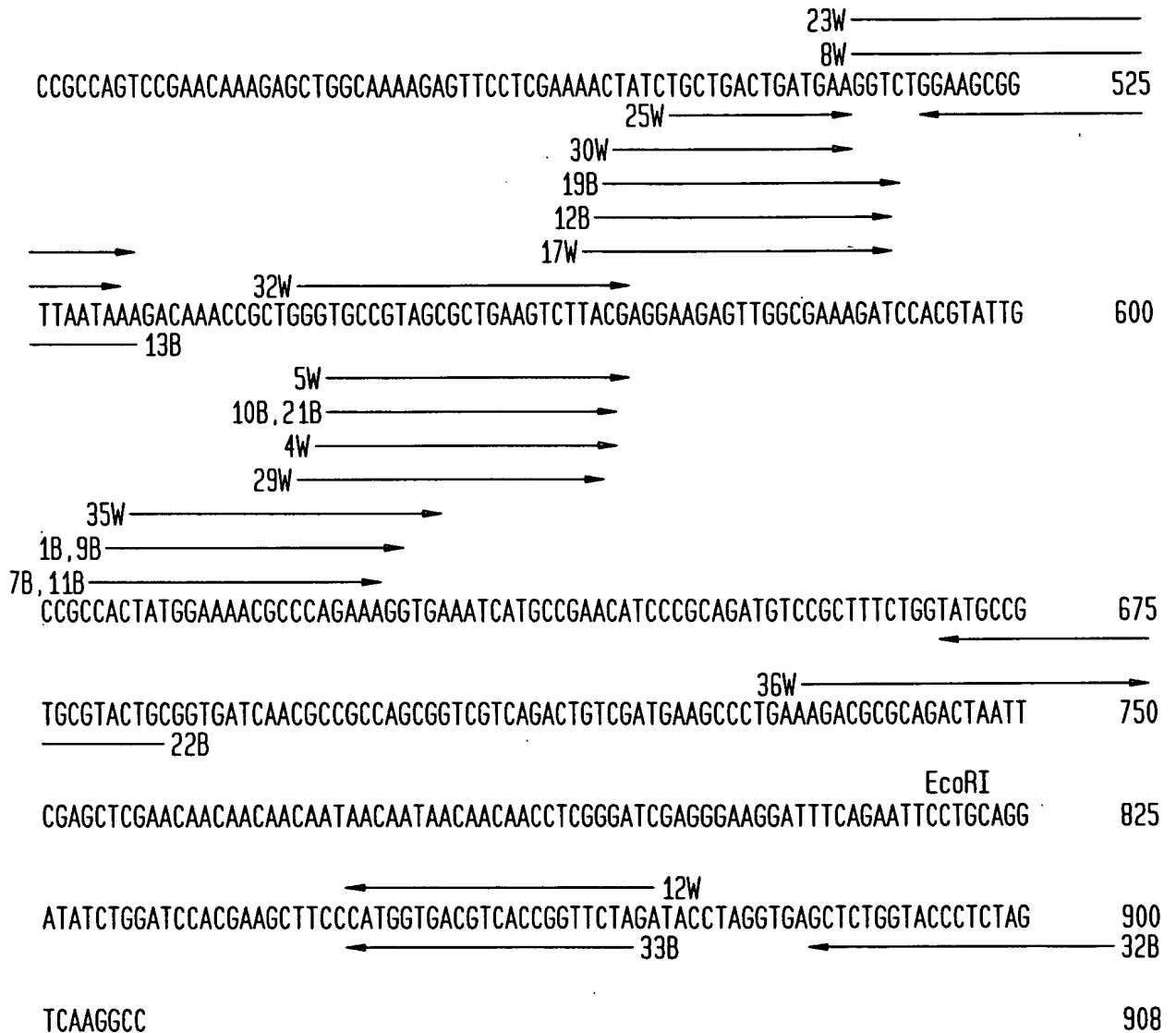


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FIG. 4B-1BglII-EcoRI *malE* fragment cloned in LITMUS 28i:

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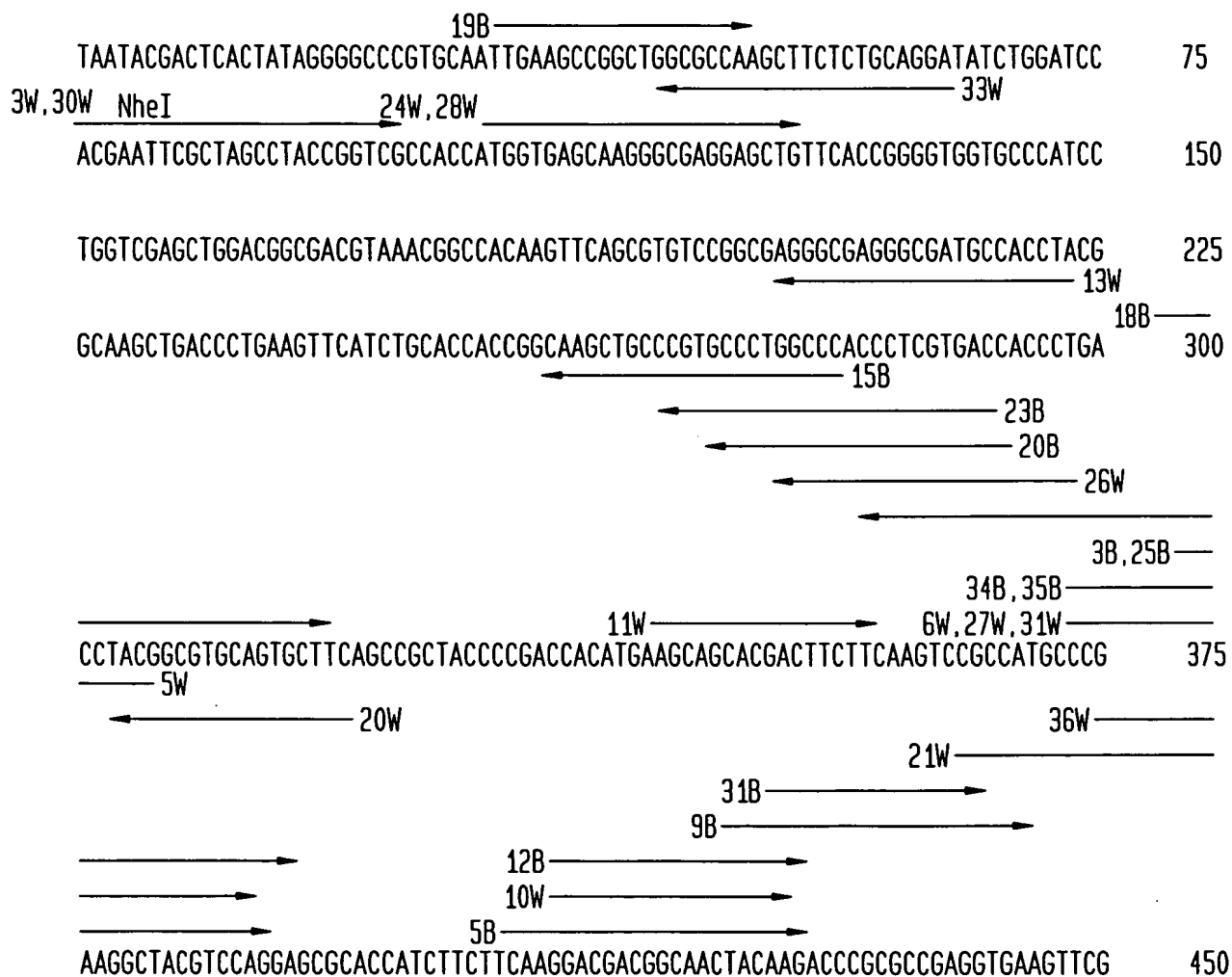
FIG. 4B-2



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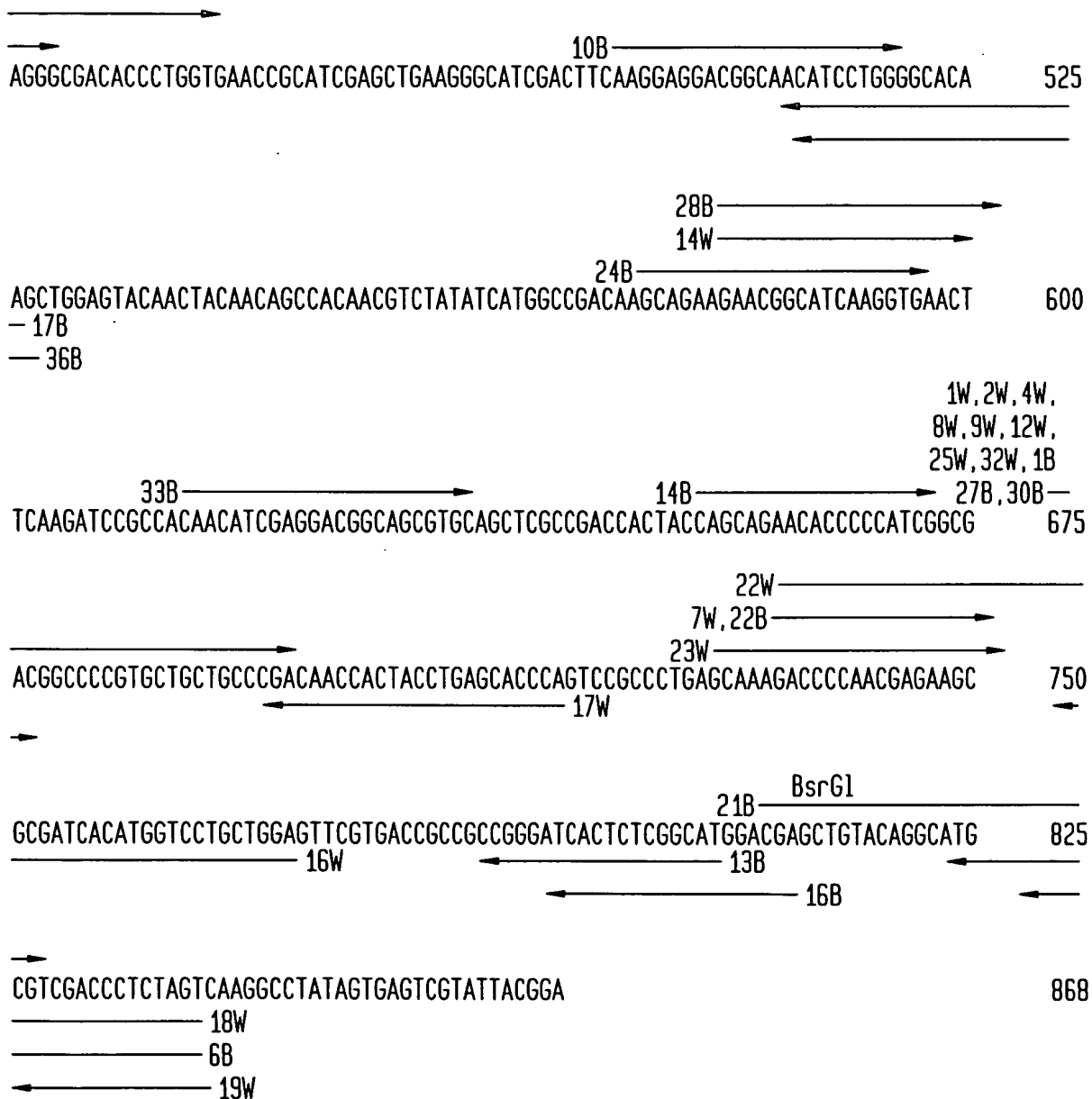
FIG. 4C-1

NheI-BsrGI GFP fragment cloned in LITMUS 38i:



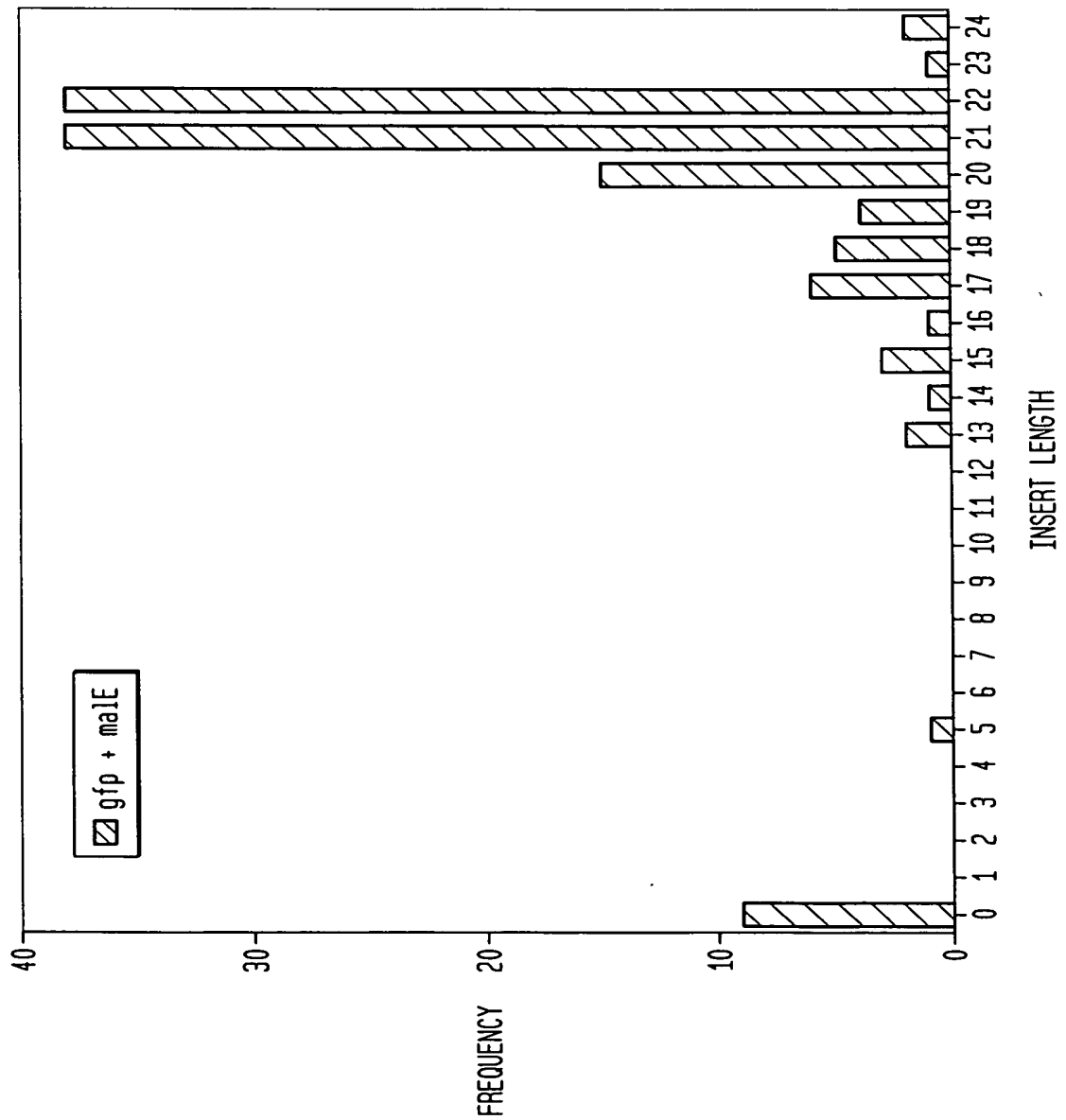
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FIG. 4C-2



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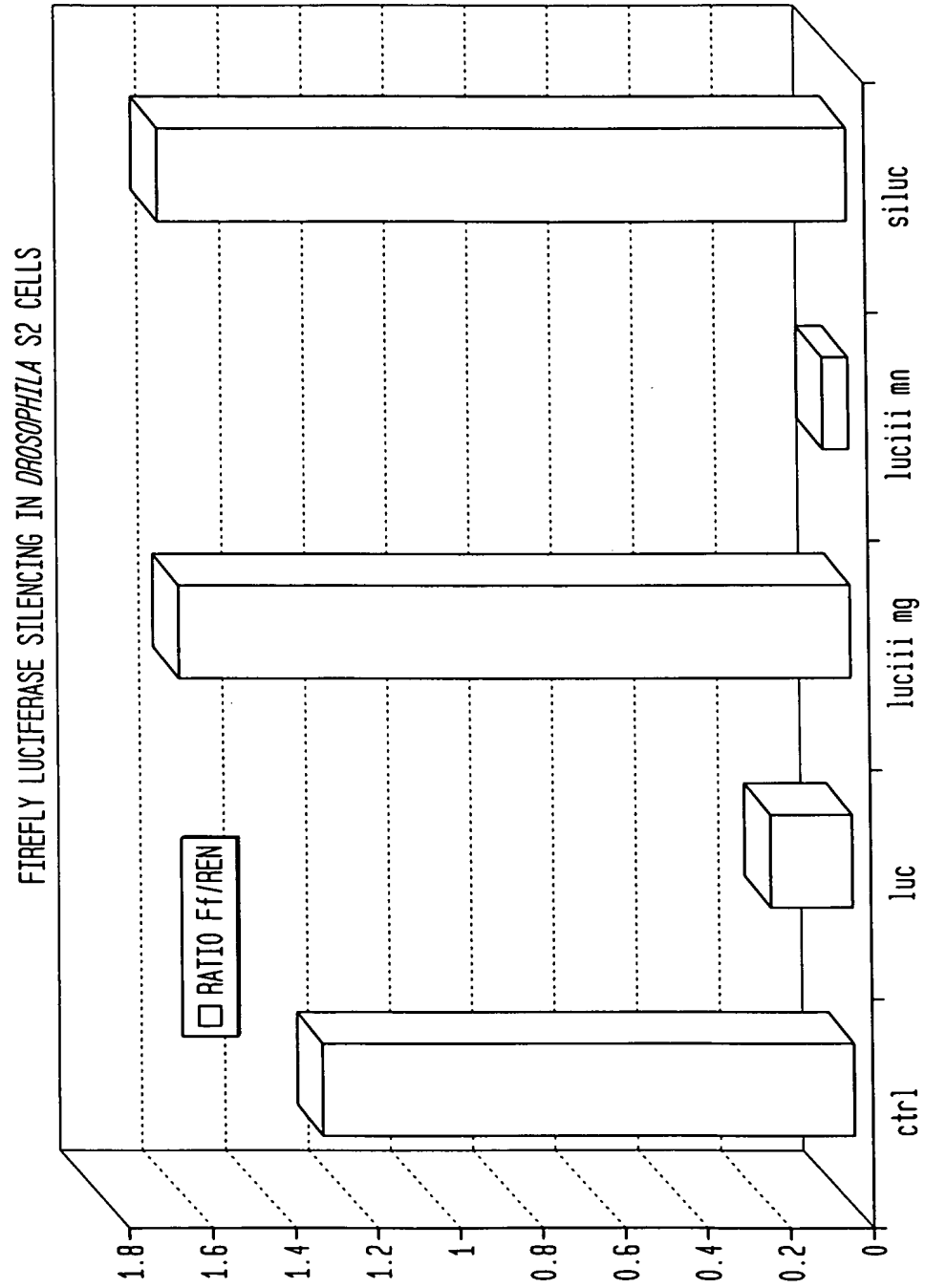
FIG. 4D



LENGTH	FREQUENCY
0	9
5	1
13	2
14	1
15	3
16	1
17	6
18	5
19	4
20	15
21	38
22	38
23	1
24	2
TOTAL	126

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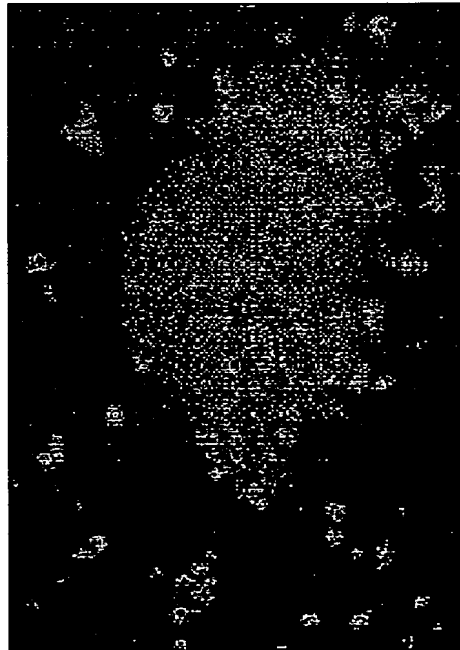
FIG. 5



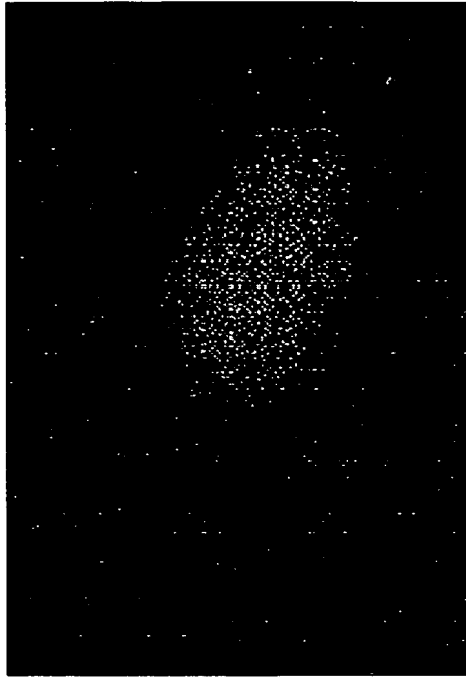
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FIG. 6A

EGFP SILENCING IN HEK-293 CELLS



CONTROL



GFP dsRNA RNaseIII Mn⁺⁺

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FIG. 6B

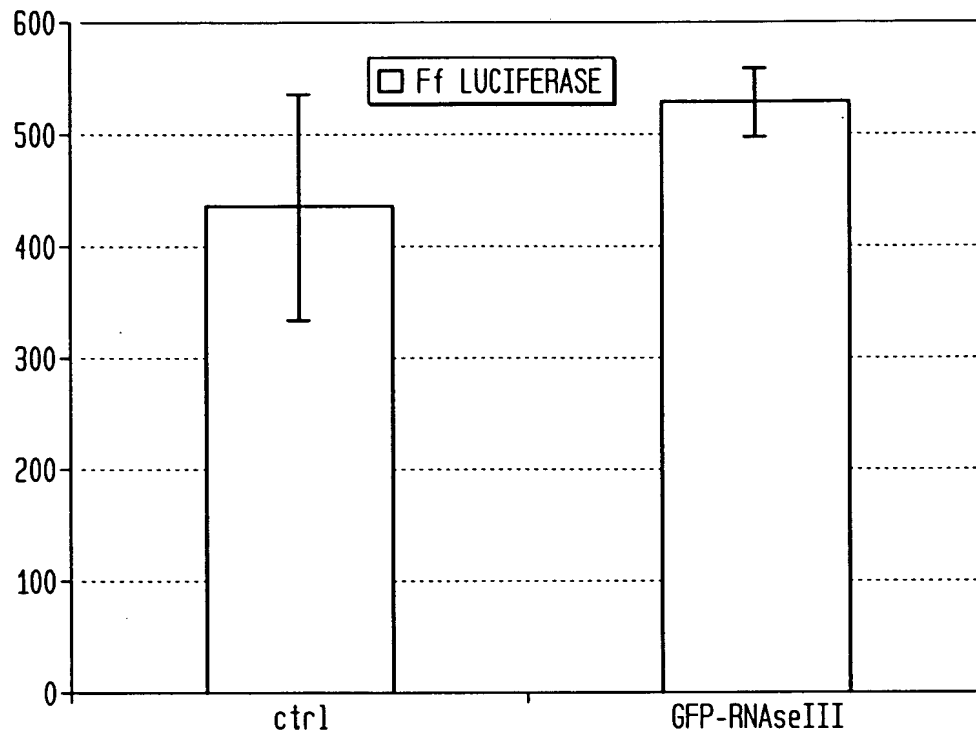
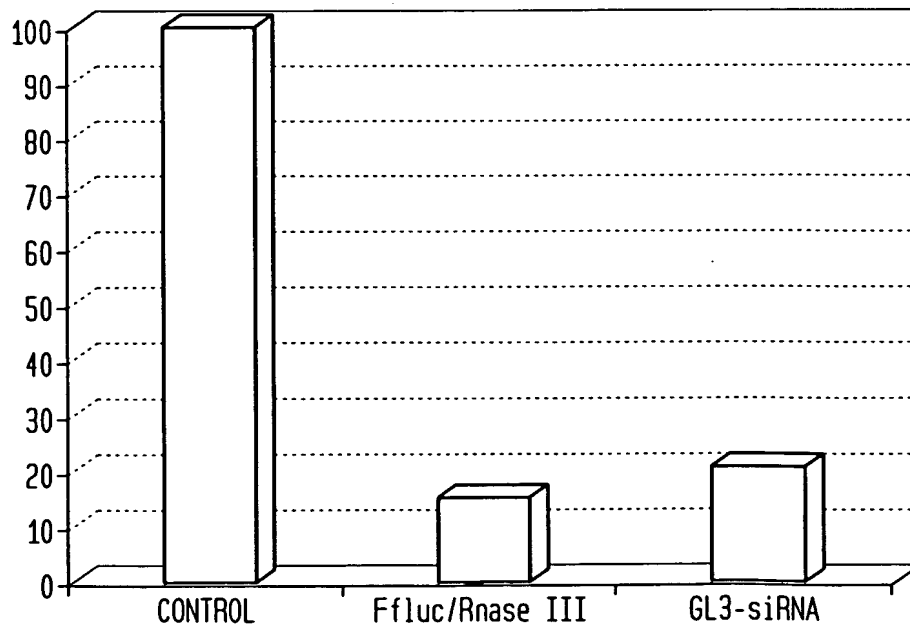


FIG. 6C

% EXPRESSION



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FIG. 7A

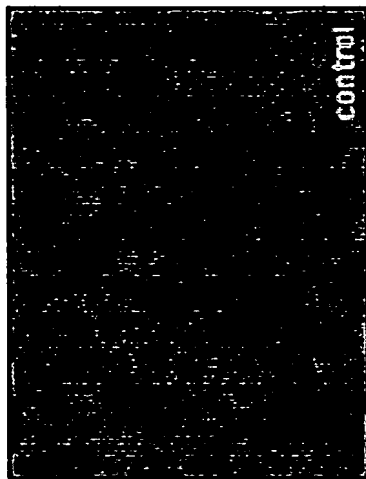


FIG. 7B



FIG. 7C



FIG. 7D

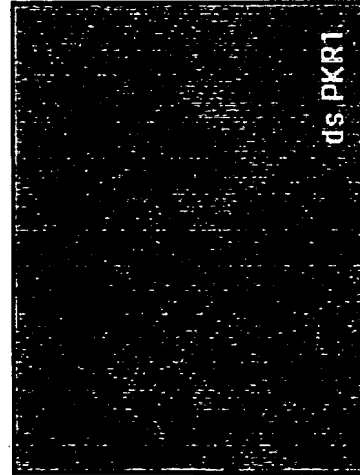
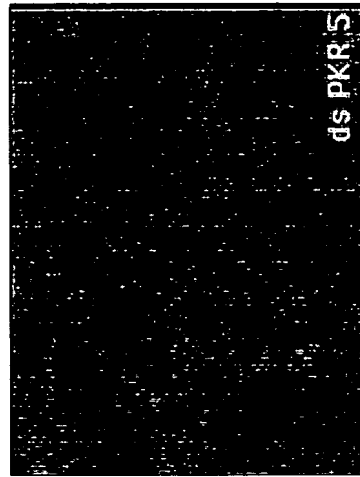


FIG. 7E



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FIG. 8A

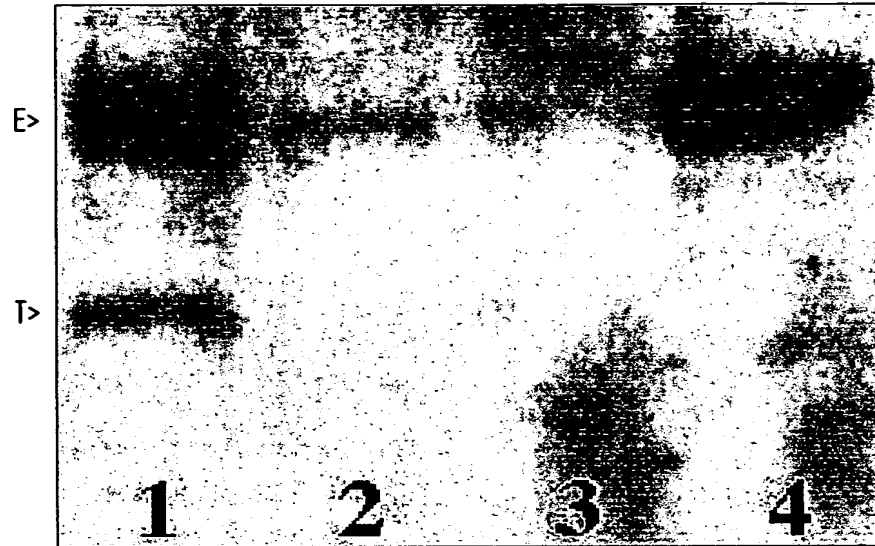
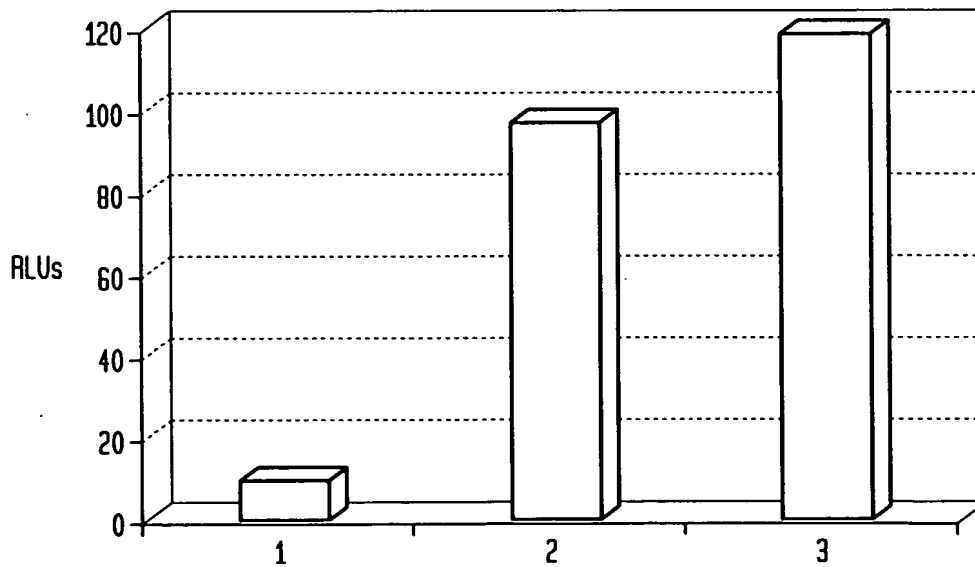
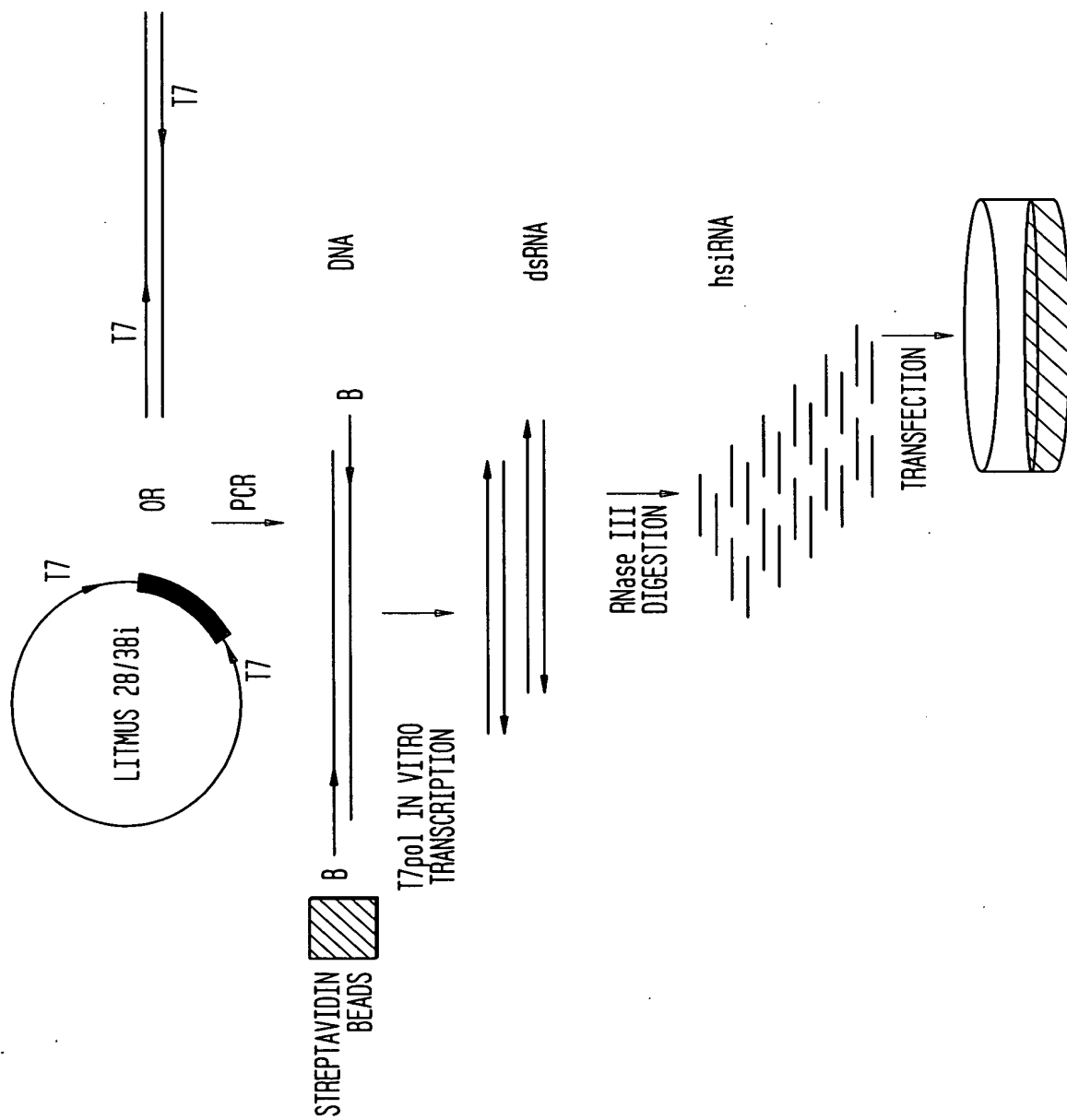


FIG. 8B



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FIG. 9A



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FIG. 10

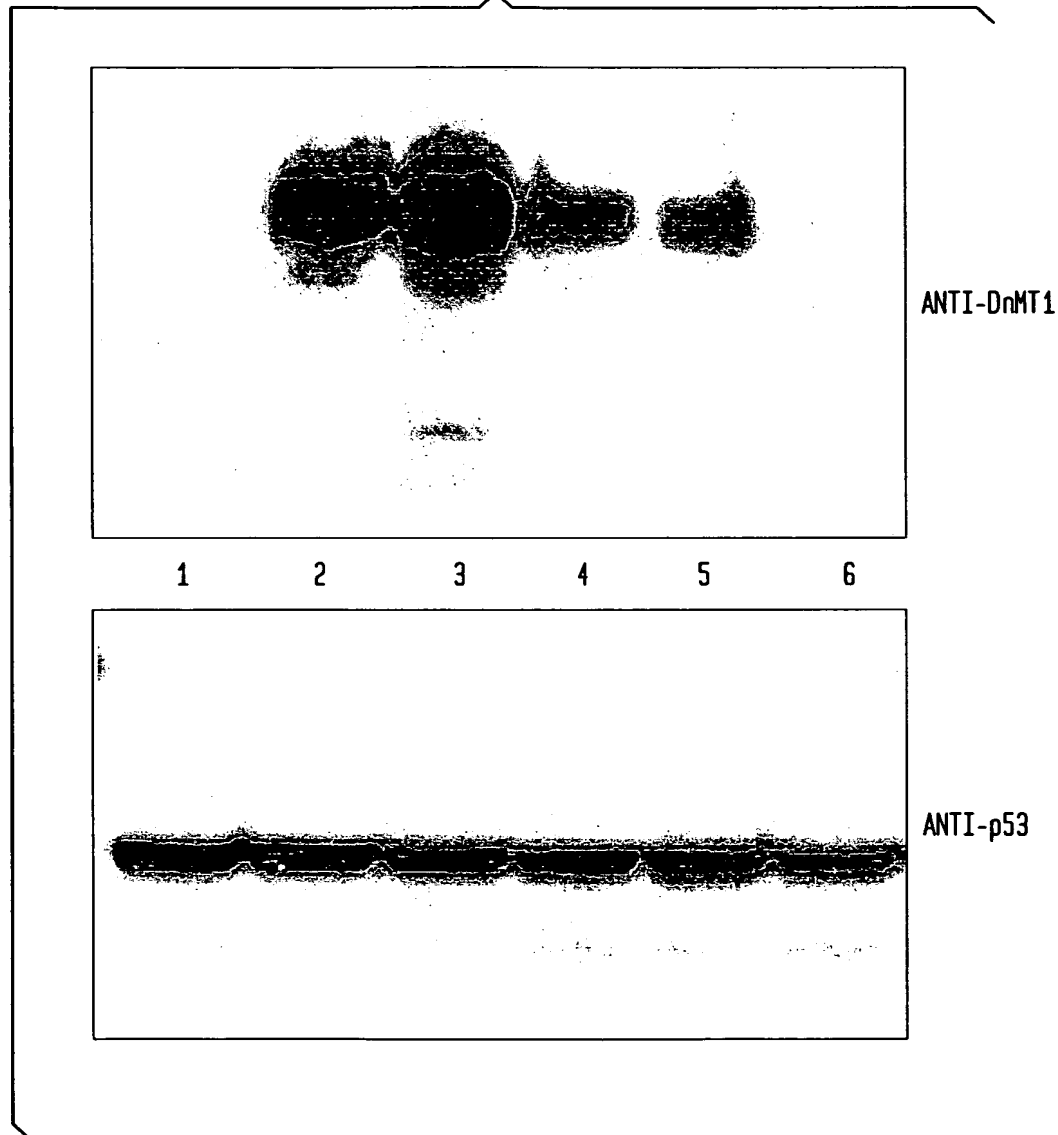
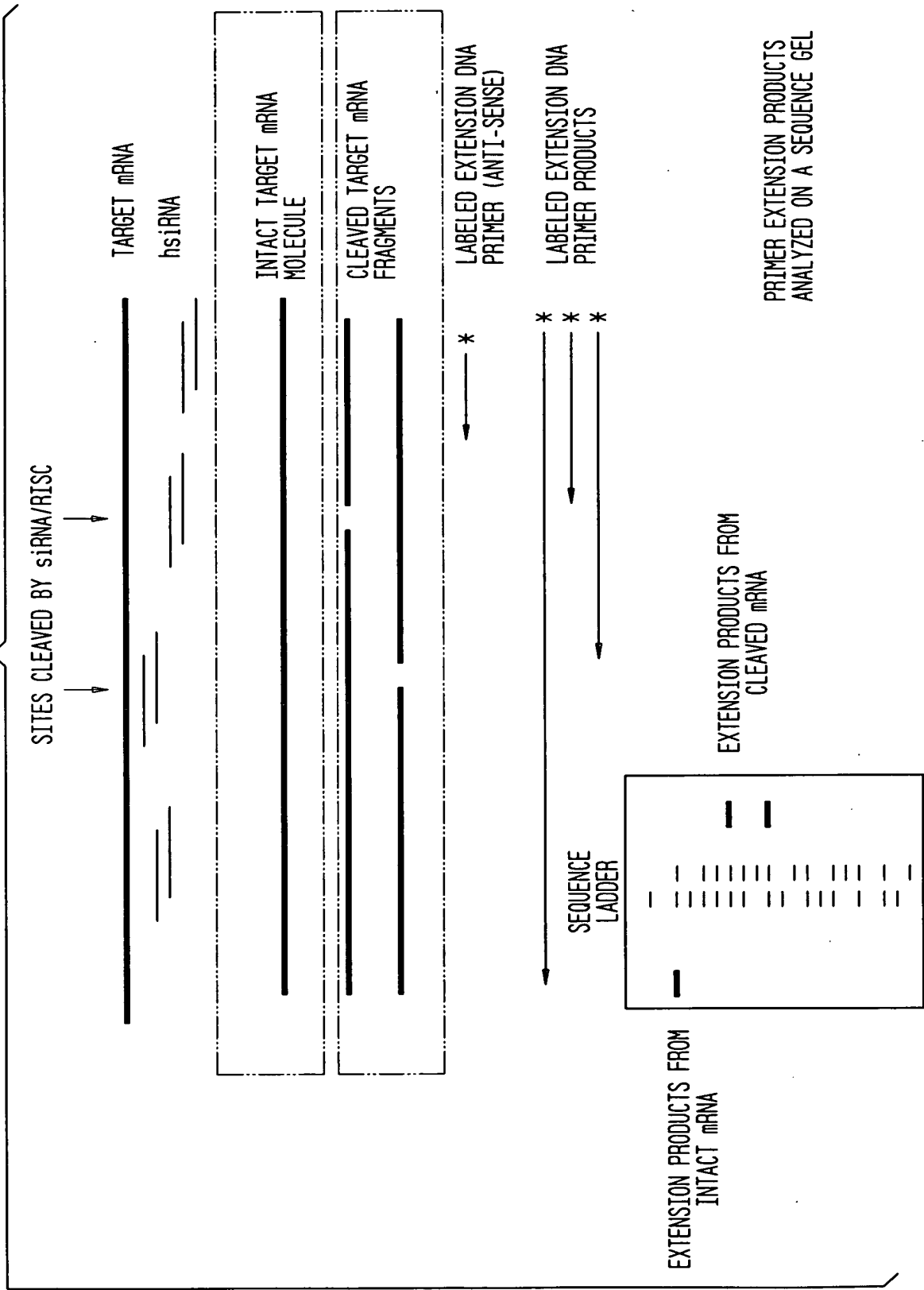


FIG. 11



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